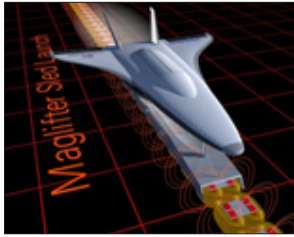


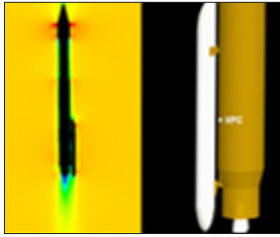


## Space Launch and Suborbital Technologies

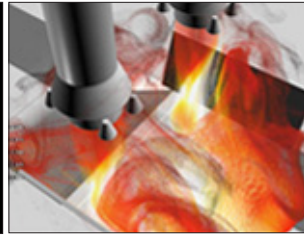
*NASA KSC is seeking partners in joint technology development projects and technology commercialization in the field of space launch and suborbital technologies.*



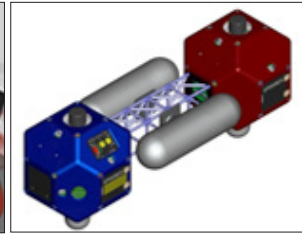
CFD Analysis of Ignition Over-Pressure within SBR Flame Trench Environment



SPHERES Propellant Slosh Testbed



eLaunch Hypersonic Launch Vehicle Concept



**Objective:** Develop and commercialize technologies to address NASA's needs and National Priority needs through strategic partnerships with industry, academia, other Government agencies, and national laboratories.

### Technology Areas:

- ♦ Horizontal launch technologies
- ♦ Suborbital and hypersonic research
- ♦ Advanced space flight systems and operations
- ♦ Operable, durable pads and accessories
- ♦ Innovative handling, transport, assembly systems
- ♦ Advanced propellant and gas management
- ♦ Highly efficient energy, power, and heat transfer
- ♦ Advanced space payload shipping and receiving systems
- ♦ Space vehicle operations development and demonstrations
- ♦ Advanced space flight command and control systems
- ♦ Space traffic safety systems
- ♦ Development of advanced protective equipment

### Technology Capabilities:

- ♦ Mechanical, Structural, and Controls Development Laboratory
- ♦ Flight Experiment Development Laboratory
- ♦ Electrostatics and Surface Physics Laboratory
- ♦ Cryogenics Test Laboratory
- ♦ Chemical Test and Analysis Laboratory
- ♦ Applied Chemistry Laboratory

Please contact us if you are interested in collaborating with KSC on joint development projects.

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partnerships